
Abstract

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5 A structural component of fiber-reinforced thermoplastic material has a shape-forming long-fiber-reinforced thermoplastic matrix and separate, single load-bearing plastified and consolidated continuous fiber strands with a thermoplastic matrix in a defined position within the structural component. The positions of the shape-forming long-fiber-reinforced thermoplastic matrix and the separate, single load-bearing plastified and consolidated continuous fiber strands with a thermoplastic matrix define interfaces therebetween. The continuous fiber strands are interconnected and have at least one load-transmitting flat internal connecting area between two
10 continuous fiber strands. The single continuous fiber strands form a load-bearing supporting structure which is integrated in and thermoplastically bonded to the long-fiber-reinforced thermoplastic matrix at the interfaces therebetween.
